Rec'd PCT/PTO 17 DEC 2004



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International Application N	lo.
International Filing Date	
,	
* ;*	
Name of receiving Office a	and "PCT International Application"

REQUEST The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty. Applicant's or agent's file reference (if desired) (12 characters maximum) 300560WO Box No. I TITLE OF INVENTION PROVIDING LOCATION INFORMATION OF A USER EQUIPMENT APPLICANT Box No. II This person is also inventor Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) Telephone No. Facsimile No. NOKIA CORPORATION KEILALAHDENTIE 4 Teleprinter No. 02150 ESPOO FINLAND Applicant's registration No. with the Office State (that is, country) of nationality: State (that is, country) of residence: This person is applicant for the purposes of: all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this This person is: Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) applicant only JAN KALL applicant and inventor JUPPERINMETSA 2 B inventor only (If this check-box is marked, do not fill in below.) 02730 ESPOO **FINLAND** Applicant's registration No. with the Office State (that is, country) of nationality: State (that is, country) of residence: FI This person is applicant all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box for the purposes of: Further applicants and/or (further) inventors are indicated on a continuation sheet. AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE Box No. IV The person identified below is hereby/has been appointed to act on behalf common representative agent of the applicant(s) before the competent International Authorities as: Name and address: (Family name followed by given name; for a legal entity, full official designation.

The address must include postal code and name of country.) Telephone No. +44 (0) 20 7831 7929 WILLIAMS, DAVID JOHN Facsimile No. PAGE WHITE & FARRER +44 (0) 20 7831 8040 54 DOUGHTY STREET Teleprinter No. LONDON WC1N 2LS UNITED KINGDOM Agent's registration No. with the Office Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

	2	
Shee	et No?	
Continuation of Box No. III TURTHER APPLICANT	(S) AND/OR (FURTHER)	INVENTOR(S)
If none of the following sub-boxes is used, this sheet shoul	d not be included in the re	quest.
Name and address: (Family name followed by given name; for a lega The address must include postal code and name of country. The country Box is the applicant's State (that is, country) of residence if no State of res	y of the address indicated in this	This person is:
TOMI VARONEN		
OSKELANTIE 1 B 12	•	applicant and inventor
02150 ESPOO	inventor only (If this check-box is marked, do not fill in below.)	
FINLAND		Applicant's registration No. with the Office
44		- The state of the
State (that is, country) of nationality:	State (that is, country) of residence:
This person is applicant all designated all designated for the purposes of:	nated States except led States of America	the United States of America only the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a lega	al entity, full official designation.	This person is:
The address must include postal code and name of country. The country Box is the applicant's State (that is, country) of residence if no State of res		applicant only
		applicant and inventor
		inventor only (If this check-box
	. *	is marked, do not fill in below.)
		Applicant's registration No. with the Office
State (that is, country) of nationality:	State (that is, country) of residence:
71		
This person is applicant for the purposes of: all designated the Unit	gnated States except ed States of America	the United States of America only the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a lego The address must include postal code and name of country. The countr	al entity, full official designation.	This person is:
Box is the applicant's State (that is, country) of residence if no State of res		applicant only
	•	applicant and inventor
		inventor only (If this check-box
		is marked, do not fill in below.)
		Applicant's registration No. with the Office
State (that is, country) of nationality:	State (that is, country	of residence:
This person is applicant all designated all designated for the purposes of:	gnated States except ted States of America	the United States of America only the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a lege	al entity, full official designation.	This person is:
The address must include postal code and name of country. The country Box is the applicant's State (that is, country) of residence if no State of res		applicant only
		applicant and inventor
	•	inventor only Afthis check-box
		is marked, do not fill in below.)

Form PCT/RO/101 (continuation sheet) (March 2001; reprint January 2003)

all designated States

Further applicants and/or (further) inventors are indicated on another continuation sheet.

State (that is, country) of nationality:

This person is applicant for the purposes of:

the States indicated in the Supplemental Box

Applicant's registration No. with the Office

State (that is, country) of residence:

all designated States except the United States of America the United States of America only

Sheet No. ...3... Mark the applicable check-boxes below; at least one must be marked. The following designations are hereby made under Rule 4.9(a): Regional Patent 🖪 AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment desired, specify on dotted line) EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT 🔀 EP European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT A OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line) National Patent (if other kind of protection or treatment desired, specify on dotted line): AM Armenia DID Indonesia PL Poland DI PT Portugal PT Portugal AZ Azerbaijan IS Iceland KE Kenya SC Seychelles BR Brazil IN KP Democratic People's Republic SE Sweden BY Belarus of Korea SG Singapore
BY BZ Belize KR Republic of Korea SK Slovakia CA Canada CA Canada

CH & LI Switzerland and Liechtenstein LC Saint Lucia CN China LK Sri Lanka CO Colombia

LR Liberia

LR Liberia

LR Liberia

LR Losotho

TR Turkey TT Trinidad and Tobago DM Dominica
DZ Algeria

EC Ecuador

MD Republic of Moldova

MD Republic of Moldova

MD UG Uganda

US United States of America

MG Madagascar ES Spain Macedonia VC Saint Vincent and the Grenadines

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

D......

MN Mongolia

GB United Kingdom

MWMalawi

WYU Yugoslavia

Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:

GD Grenada

If the Supplemental Box is not used, this sheet should not be included in the request.

If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation" (indicate the number of the Box) and furnish the of Box No...." information in the same manner as required according to the captions of the Box in which the space was insufficient, in

Continuation of Box IV

(i) if more than two persons are to be indicated as applicants Agents continues and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;

- if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Box No. III" and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor:
- if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- if, in Box No. VI, there are more than five earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.

JENKINS, Peter David (GB) DRIVER, Virginia Rozanne (GB) DANIELS, Jeffery Nicholas (GB) STYLE, Kelda Camilla Karen (GB) SHACKLETON, Nicola (GB) SLINGSBY, Philip Roy (GB) HILL, Christopher Michael (GB) RUUSKANEN, Juha-Pekka (FI) WILLIAMS, David John (GB) EVANS, Marc Nigel (GB) EVENSON, Jane Harriet (GB)

All of:

PAGE WHITE & FARRER 54 DOUGHTY STREET LONDON WC1N 2LS UNITED KINGDOM

8/5

Sheet No. ... 5 ...

Box No. VI PRIORITY CLAIM					
The priority of the following	earlier application(s) is here	by claimed:			
Filing date	Number	v	Vhere earlier application	is:	
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office	
item (1) 21 JUN 02	0214380.8	GB			
item (2)					
item (3)					
item (4)					
item (5)		,			
Further priority claims	are indicated in the Suppleme	ental Box.			
	ested to prepare and transmit filed with the Office which for		ntional application is the r	receiving Office) identified other, see	
	on is an ARIPO application, i		-	Supplemental Box	
Industrial Property or one M	ember of the World Trade O	rganization for which that e	earlier application was fi	led (Rule 4.10(b)(ii)):	
Box No. VII INTERNAT	'IONAL SEARCHING AU	THORITY			
Choice of International Ser	arching Authority (ISA) (if is the Authority chosen; the two	two or more International S	Searching Authorities are	competent to carry out the	
ISA / EP	the Authority chosen; the two	o-letter code may be used):			
Request to use results of ea International Searching Auth	arlier search; reference to t	that search (if an earlier se	earch has been carried o	ıt by or requested from the	
Date (day/month/year)	• /	ber Coun	ntry (or regional Office)		
10 FEB 03	RS10	08746	EP		
Box No. VIII DECLARA	TIONS	*			
	are contained in Boxes Nos. ate in the right column the nur			Number of declarations	
Box No. VIII (i)	Declaration as to the identi	ity of the inventor	•	:	
Box No. VIII (ii)	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent :				
Box No. VIII (iii)	(iii) Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application :				
Box No. VIII (iv)	(iv) Declaration of inventorship (only for the purposes of the designation of the United States of America) :				
Box No. VIII (v)	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty :				

Sheet No.	6

Box No. IX CHECK LIST; LANGUAC	E OF FILING	7	
This international application contains: (a) in paper form, the following number of sheets: This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):			
request (including	1. fee calculation sheet	:	
declaration sheets) :	2. original separate power of attorney	:	
description (excluding	3. original general power of attorney	:	
sequence listings and/or tables related thereto) : 1	4. copy of general power of attorney; reference number	er,	
claims :	4. Copy of general power of attorney, reference number if any: GPA 02/0112	: 1	
abstract :	5. statement explaining lack of signature	:	
drawings :	6. priority document(s) identified in Box No. VI as item(s):	······································	
Sub-total number of sheets: 2 sequence listings:	7. Translation of international application into (language):	•	
tables related thereto: for both, actual number of	8. separate indications concerning deposited microorg or other biological material		
sheets if filed in paper form, whether or not also filed in	9. sequence listings in computer readable form (indicate type and number of carriers)	• .	
computer readable form; see (c) below)	(i) copy submitted for the purposes of international	search under	
Total number of sheets : 2	Rule 13ter only (and not as part of the internation (ii) (only where check-box (b)(i) or (c)(i) is marked in leadditional copies including, where applicable, the		
(b) only in computer readable form (Section 801(a)(i))	purposes of international search under Rule 13te	<i>r</i> :	
(i) ☐ sequence listings (ii) ☐ tables related thereto	(iii) together with relevant statement as to the identity copies with the sequence listings mentioned in le	oft column :	
(c) also in computer readable form (Section 801(a)(ii))	10. tables in computer readable form related to sequence (indicate type and number of carriers)	: listings	
(i) ☐ sequence listings (ii) ☐ tables related thereto	(i) copy submitted for the purposes of international Section 802(b-quater) only (and not as part of the application)	search under e international	
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	(ii) (only where check-box (b)(ii) or (c)(ii) is marked in additional copies including, where applicable, the purposes of international search under Section 8	left column) e copy for the	
sequence listings:			
tables related thereto:	copies with the tables mentioned in left column	:	
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11. other (specify):	······· :	
Figure of the drawings which should accompany the abstract: Language of filing of the international application:			
Box No. X SIGNATURE OF APPLIC. Next to each signature, indicate the name of the person	NT, AGENT OR COMMON REPRESENTATIVE signing and the capacity in which the person signs (if such capacity is not obvice	ous from reading the request).	
PH.			
	•		
David John WILLIAMS			
	F		
Date of actual receipt of the purported	For receiving Office use only		
international application:		2. Drawings:	
3. Corrected date of actual receipt due to la	er hut	received:	
timely received papers or drawings completing the purported international application:			
Date of timely receipt of the required corrections under PCT Article 11(2):		not received:	
International Searching Authority (if two or more are competent): ISA	6. Transmittal of search copy delayed until search fee is paid		
	For International Bureau use only		
Date of receipt of the record copy by the International Bureau:			

PCT

FEE CALCULATION SHEET Annex to the Request

	1	TO TOOCIVII	y	
Interna	ational Appl	ication No.		
			_	

Annex to the Request	\neg
Applicant's or agent's file reference 300560WO Date stamp of the receiving Office	
Applicant	
NOKIA CORPORATION	
CALCULATION OF PRESCRIBED FEES	
1. TRANSMITTAL FEE	_
2. SEARCH FEE	_
3. INTERNATIONAL FEE Basic Fee	
Where items (b) and/or (c) of Box No. IX apply, enter Sub-total number of sheets Where items (b) and (c) of Box No. IX do not apply, enter Total number of sheets 29	
b1 first 30 sheets	_
number of sheets x = b2	_
number of sheets fee per sheet in excess of 30	
b3 additional component (only if sequence listings and/or tables related thereto are filed in computer readable form under Section 801(a)(i), or both in that form and on paper, under Section 801(a)(ii)):	
400 x =b3	
fee per sheet Add amounts entered at b1, b2 and b3 and enter total at B CHF650.00 B	
Designation Fees The international application contains ALL designations.	-
5 x 140.00 = CHF700.00 D	_
number of designation fees amount of designation fee payable (maximum 5)	_
Add amounts entered at B and D and enter total at I	_
(Applicants from certain States are entitled to a reduction of 75% of the international fee. Where the applicant is (or all applicants are) so entitled, the total to be entered at I is 25% of the sum of the amounts entered at B and D.)	
4. FEE FOR PRIORITY DOCUMENT (if applicable)	
5. TOTAL FEES PAYABLE	
Add amounts entered at T, S, I and P, and enter total in the TOTAL box	
The designation fees are not paid at this time.	
MODE OF PAYMENT	
authorization to charge deposit account (see below) postal money order cash coupons	
cheque bank draft revenue stamps other (specify):	
AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACCOUNT (This mode of payment may not be available at all receiving Offices) Receiving Office: RO/	_
Deposit Account No.: Authorization to charge the total fees indicated above.	_
(This check-box may be marked only if the conditions for deposit accounts	_
of the receiving Office so permit) Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.	
Authorization to charge the fee for priority document. Signature:	